



TEST RESULTS OF GRADATION FOR BC IS 2386 (Part 1) 1963 (RA 2011)

Lab ID : CP-RW-2017-03-30-01 Date: 31-03-17
Customer : Assistant Executive Engineer, (Yelahanka) Satellite town Sub Division, BBMP, Bangalore.
Address : Satellite town Sub Division, BBMP, Bangalore.
Agency : B.B Umesh SMLP Asphalts, Bettahalasoor V& Post, Bangalore North.
Project Name : Providing pot hole filling in ward No. 04
Customer Reference : BBMP/EE(YNK.D)/W.O/118/2016-17
Source of Sample : Sample supplied by Agency
Date of Receipt : 30-03-17
Sample ID No : 2017-03-30-01/01
Type of Mix : BC (Bituminous Concrete)
Date of test : 30-03-17

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	472	471
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.60	5.80
4	Average percentage	%	5.7	

Prepared By:
Harshitha



FOR CIVIL Pro.

KARTHIK RECHAN
Authorized Signatory
Quality Manager



Lab ID

Sample ID

: CP-RW-2017-03-30-01

: 2017-03-30-01/01

Date: 31-03-17

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm)

: 472

IS Sieve Size (mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	22	22	4.7	95.3	79-100
9.5	70	92	19.5	80.5	70-88
4.75	106	198	41.9	58.1	53-71
2.36	52	250	53.0	47.0	42-58
1.18	30	280	59.3	40.7	34-48
0.6	25	305	64.6	35.4	26-38
0.3	67	372	78.8	21.2	18-28
0.15	38	410	86.9	13.1	12-20
0.075	41	451	95.6	4.4	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm)

: 471

IS Sieve Size (mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	31	31	6.6	93.4	79-100
9.5	107	138	29.3	70.7	70-88
4.75	75	213	45.2	54.8	53-71
2.36	54	267	56.7	43.3	42-58
1.18	40	307	65.2	34.8	34-48
0.6	25	332	70.5	29.5	26-38
0.3	49	381	80.9	19.1	18-28
0.15	18	399	84.7	15.3	12-20
0.075	52	451	95.8	4.2	4-10

Note:-

The results pertain to the samples received by the customer and tested
All information furnished by Customer/Representative.
Any correction in the report will make this report invalid.
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End of Report



DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE (IS 2386 (Part 1) 1963 (RA 2007))

Lab ID : CP-RW-2017-03-08-01 Date: 09-03-17
Customer : Assistant Executive Engineer, (Yelahanka) Satellite town Sub Division, BBMP, Bangalore.
Address : Satellite town Sub Division, BBMP, Bangalore.
Agency : B.B Umesh SMLP Asphalts, Bettahalasoor V& Post, Bangalore North.
Project Name : Providing pot hole filling in ward No. 04
Customer Reference : BBMP/EE(YNK.D)/W.O/118/2016-17
Source of Sample : Sample supplied by the Agency
Sample Condition : Satisfactory
Date of Receipt : 08-03-17
Sample ID No : 2017-03-08-01/01
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 08-03-17

Result:	
Flakiness Index	13.7%
Elongation Index	11.2%
Combined Flakiness & Elongation Index	24.9%

Comments:

Maximum allowable Flakiness & Elongation Index is 30 %

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TEST REPORT OF AGGREGATE IMPACT VALUE

IS: 2386 Part IV

Date: 10-03-17

Lab ID : CP-RW-2017-03-08-01
Customer : Assistant Executive Engineer, (Yelahanka) satellite town, Sub Division, BBMP, Bangalore.
Address : Satellite town, Sub Division, BBMP, Bangalore.
Agency : B.B Umesh SMLP Asphalts, Bettahalasoor V & Post, Bangalore
Project Name : Providing pot hole filling in ward No:04.
Customer Reference : BBMP/EE(YNK.D)/W.O/118/2016-17
Source of Sample : Sample supplied by the Agency
Sample Condition : Satisfactory
Date of Receipt : 08-03-17
Sample ID No : 2017-03-08-01/01
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 09-03-17

SLNo	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	308.6	308.1
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	69.3	70.7
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	238.9	236.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.4	0.6
5	Aggregate impact value	(B/A)*100	22.46	22.95
6	Aggregate impact value (Mean of two tests)	Percentage	22.7	

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TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2017-03-08-01 Date: 10-03-17
Customer : Assistant Executive Engineer, (Yelahanka) satellite town, Sub Division, BBMP, Bangalore.
Address : Satellite town, Sub Division, BBMP, Bangalore.
Agency : B.B Umesh SMLP Asphalts, Bettahalasoor V & Post, Bangalore North.
Project Name : Providing pot hole filling in ward No:04.
Customer Reference : BBMP/EE(YNK.D)/W.O/118/2016-17
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 08-03-17
Sample ID No : 2017-03-08-01/01
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 09-03-17
Oven Dry Weight(gm) : 11450

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Spec.I.Vide Table 400.11 MORTH Specification
53	0	0	0	100	100
45	380	380	3.32	96.68	95-100
22.4	2280	2660	23.23	76.77	60-80
11.2	2200	4860	42.45	57.55	40-60
4.75	2260	7120	62.18	37.82	25-40
2.36	1585	8705	76.03	23.97	15-30
0.6	580	9285	81.09	18.91	8-22
0.075	2165	11450	100.00	0.00	0-8

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TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2017-03-15-01 Date: 17-03-17
Customer : Assistant Executive Engineer, (Yelahanka) satellite town, Sub Division, BBMP, Bangalore.
Address : Satellite town, Sub Division, BBMP, Bangalore.
Agency : B.B Umesh SMLP Asphalts, Bettahalasoor V & Post, Bangalore North.
Project Name : Providing pot hole filling in ward No:04.
Customer Reference : BBMP/EE(YNK.D)/W.O/118/2016-17
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 15-03-17
Sample ID No : 2017-03-15-01/01
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 16-03-17
Oven Dry Weight(gm) : 11750

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Spec.I.Vide Table 400.11 MORTH Specification
53	0	0	0	100	100
45	380	380	3.23	96.77	95-100
22.4	2400	2780	23.66	76.34	60-80
11.2	2280	5060	43.06	56.94	40-60
4.75	2280	7340	62.47	37.53	25-40
2.36	1660	9000	76.60	23.40	15-30
0.6	622	9622	81.89	18.11	8-22
0.075	2128	11750	100.00	0.00	0-8

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TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2017-03-22-01 Date: 24-03-17
Customer : Assistant Executive Engineer, (Yelahanka) satellite town, Sub Division, BBMP, Bangalore.
Address : Satellite town, Sub Division, BBMP, Bangalore.
Agency : B.B Umesh SMLP Asphalts, Bettahalasoor V & Post, Bangalore North.
Project Name : Providing pot hole filling in ward No:04.
Customer Reference : BBMP/EE(YNK.D)/W.O/118/2016-17
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 22-03-17
Sample ID No : 2017-03-22-01/01
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 23-03-17
Oven Dry Weight(gm) : 12000

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.I.Vide Table 400.11 MORTH Specification
53	0	0	0	100	100
45	380	380	3.17	96.83	95-100
22.4	2550	2930	24.42	75.58	60-80
11.2	2380	5310	44.25	55.75	40-60
4.75	2250	7560	63.00	37.00	25-40
2.36	1635	9195	76.63	23.38	15-30
0.6	602	9797	81.64	18.36	8-22
0.075	2203	12000	100.00	0.00	0-8

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